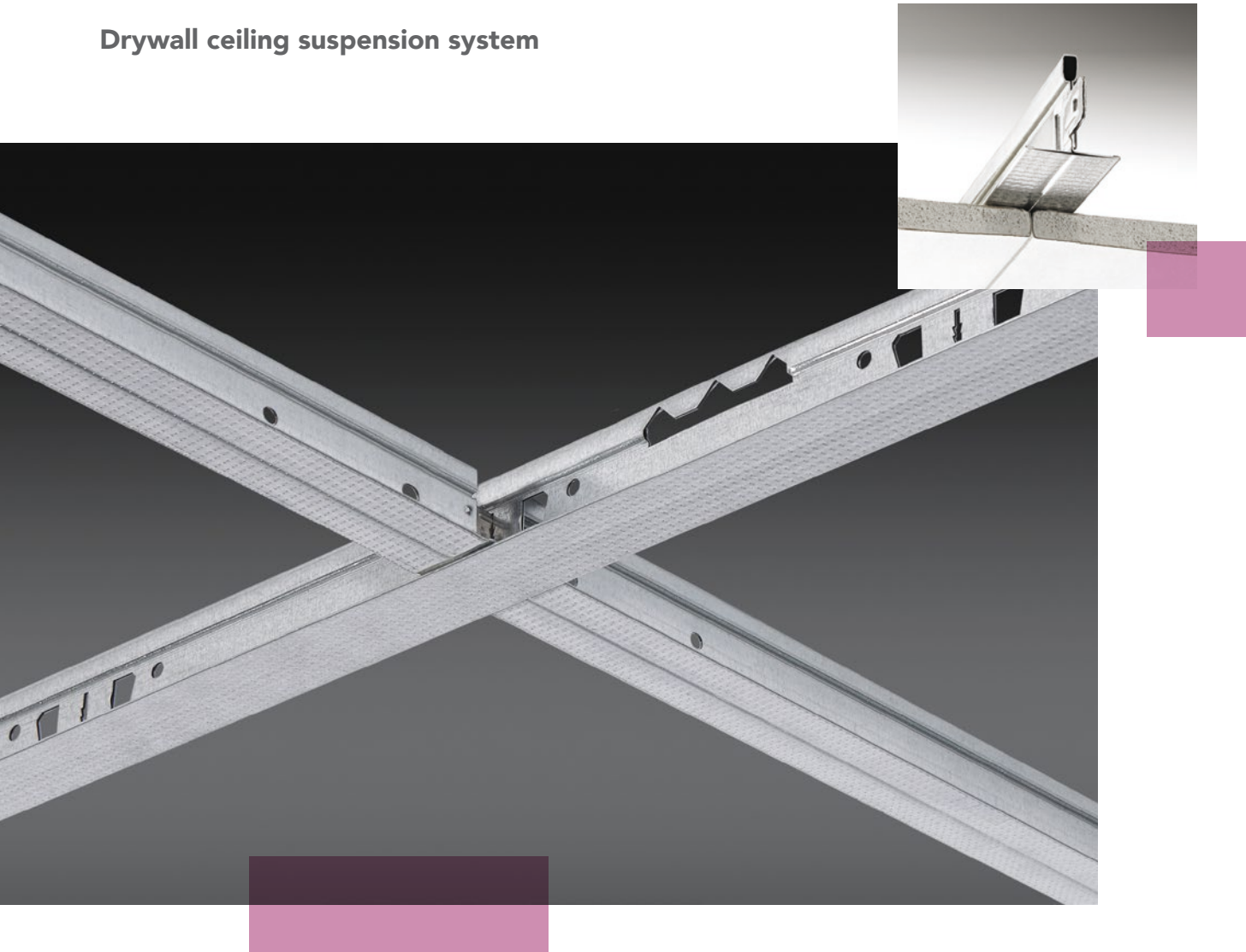


Chicago Metallic® Drywall Grid

Drywall ceiling suspension system



Ideal for: Hospitals, hospitality, retail, lobbies, department stores, galleries, and residential high rise.

Performance Properties:

- Heavy duty acoustical grid design features (660/670) stab-end and (640/650) hook-end cross tee options
- Fire rated suspension system components are designed with expansion reliefs, making it suitable for fire-rated ceiling assemblies
- Eliminates the need for traditional framing and reduces onsite labor
- Sustainable: Minimum 25% recycled content, 100% locally recyclable
- Chicago Metallic® suspension systems meet a Class-A flame spread rating in accordance with ASTM standard E1264-08

Chicago Metallic® Drywall Grid

LEED® V4 HIGHLIGHTS

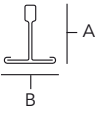
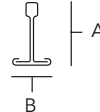
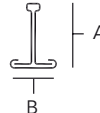
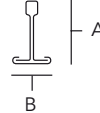

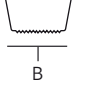
Materials and Resources (MR)

- Waste Management Planning ✓
- Interiors Life Cycle Impact Reduction ✓
- Environmental Product Declarations ✓
- Sourcing of Raw Materials ✓
- Material Ingredients ✓
- Waste Management ✓

Indoor Environmental Quality (EQ)

- Low-Emitting Materials ✓
- Interior Lighting ✓
- Acoustic Performance ✓

RECYCLED CONTENT: UP TO: 25%

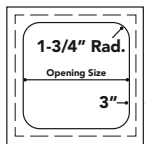
Detail	Product Number	Length	Height (A)	Face (B)	Grid Coupling Type	Slotting / Class	Fire Rated	Seismic	Recycled Content
Main Runners									
	640.00C	144"	1-1/2"	1-3/8"	Bayonet-End	8" OC, HD	-	C, DEF	25
	640.00CR	144"	1-1/2"	1-3/8"	Bayonet-End	8" OC, HD	-	C, DEF	25
	650.00C	144"	1-1/2"	1-3/8"	Bayonet-End	8" OC, HD	✓	C, DEF	25
Cross Tees									
	644.00C	48"	7/8"	1-3/8"	Hook-End	One Slot at Midpoint	-	C, DEF	25
	654.00C	48"	1-1/2"	1-3/8"	Hook-End	No Slots	✓	C, DEF	25
	664.00C	48"	7/8"	1-3/8"	Stab-End	One Slot at Midpoint	-	C, DEF	25
	674.00C	48"	1-1/2"	1-3/8"	Stab-End	One Slot at Midpoint	✓	C, DEF	25
	1274.01H	48"	1-1/2"	1-3/8"	Stab-End	Three Slots 12" OC	-	C, DEF	25
	1274.01Z	48"	1-1/2"	15/16"	Stab-End	No Slots, HD	✓	C, DEF	25
	677.00C	72"	7/8"	1-3/8"	Stab-End	24" OC	✓	C, DEF	25
Wall Angles & Channels									
	1450.00	144"	1-9/16"	1"	-	-	-	C, DEF	25
	5130.00H	120"	1-1/2"	1-1/2"	-	-	-	C, DEF	25
	5130K.00H	120"	1-1/2"	1-1/2"	-	-	-	C, DEF	25
	634.00C	48"	7/8"	1-3/8"	-	No Slots	✓	C, DEF	25

Note: 677.00C has an allowable load of 7.61 based on L/240 span deflection

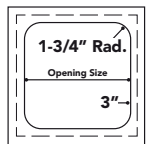
Packaging

Product Number	Pieces per Carton	Ft per Carton	Lbs per Carton	Cartons per Pallet	Lbs per Pallet
Main Runners					
640.00C	20	240	86	28	2408
640.00CR	20	240	86	Palletized to Order	Palletized to Order
650.00C	20	240	86	28	2408
Cross Tees					
644.00C	40	160	46	Palletized to Order	Palletized to Order
654.00C	40	160	47	Palletized to Order	Palletized to Order
664.00C	40	160	40	Palletized to Order	Palletized to Order
674.00C	40	160	47	Palletized to Order	Palletized to Order
1274.01H	60	240	732	30	2196
1274.01Z	60	240	732	30	2196
677.00C	20	120	43	Palletized to Order	Palletized to Order
Wall Angles & Channels					
1450.00	10	120	28	84	3528
5130.00H	30	300	70	Palletized to Order	Palletized to Order
5130K.00H	30	300	70	Palletized to Order	Palletized to Order
634.00C	50	200	57	42	2394

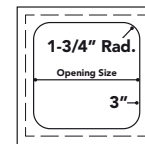
Accessories



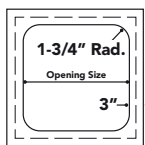
8501.01
9" x 9" GRG Access
Door and Frame
1 PC/Carton



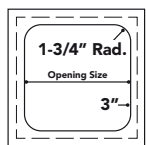
8502.01
12" x 12" GRG
Access Door
and Frame
1 PC/Carton



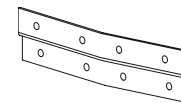
8503.01
18" x 18" GRG
Access Door
and Frame
1 PC/Carton



8504.01
24" x 24" GRG
Access Door
and Frame
1 PC/Carton



8505.01
30" x 30" GRG
Access Door
and Frame
1 PC/Carton



435.00
Drywall Furring
Runner Clip
210 PCS/Carton



826.00H
2' Spacer Bar
80 LF/Carton



828.00H
4' Spacer Bar
160 LF/Carton



824.00H
4' Spacer Bar,
Notched at 2'
160 LF/Carton

Performance

Component Load Test Data and Material

Allowable Load per ASTM C635			
Main Tee	Length	Hanger Spacing	
		4'	6'
640.00C	144"	HD	
650.00C	144"	HD	
Furring Channel	Length		
634.00C	48"	8.2	
Furring Tees	Length		
644.00C	48"	14.3	
654.00C	48"	14.3	
664.00C	48"	14.3	
674.00C	48"	14.3	
677.00C	72"		5.24
Cross Tee	Length		
1274.01Z	48"	17.0	

To convert data into lb/ft², divide on center spacing of component into lb/ft.
 Note: 677 has an allowable load of 7.61 based on L/240 span deflection.

Membrane Loading

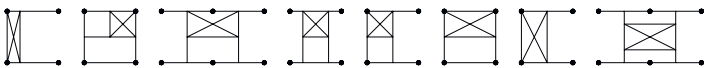
Component Combination MR/CT	Hanger Wire / Cross tee Spacing	
	48"/24"	32"/16"
640.00C / 644.00C	6.9	10.4
640.00C / 644.00C / 1274.01H	5.5	6.2
640.00C / 664.00C	6.9	10.4
640.00C / 664.00C / 1274.01H	5.5	6.2
640.00C / 677.00C	2.62	3.93

Membrane loading is not applicable when these components are used in a fire rated assembly. Consult UL Fire Resistance Directory for installation details.

Non-Fire Rated Assemblies

Hanger Positions for Non-Fire Rated Situations

This illustrates hanger positions for single fixtures in a field. Provide extra hangers for tandem fixtures.



Material

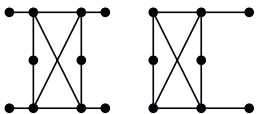
ASTM C 635 Heavy Duty (HD) furring runner classification; commercial quality steel, G40 hot-dip galvanized body and knurled face cap, 1-3/8" width, 1-1/2" height. Also complies with ASTM C 645 and ASTM C 754.

Note: A metallurgist should be consulted regarding the suitability of this product for the environmental conditions in which it is being installed.

Fire Rated Assemblies

Hanger Positions for Fire Rated Situations

This illustrates hanger positions for single fixtures in a field. Provide extra hangers for tandem fixtures.



UL® Fire Rated Assemblies

Floor-Ceiling Type 650

D501, D502, D503, G523, G524, G525, G526, G527, G528, G529, J502, L211*, L502, L508, L513, L515, L525, L526, L529

Roof-Ceiling Type 650

P237*, P239*, P241*, P501, P506, P507, P508, P509, P510, P513, P514

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